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Horse Owners Should Guard Against Azoturia

(Utah Agricultural College Weekly
News Letter)

With the approach of cold weather horse owners should guard against azoturia which occurs almost invariably in well-conditioned animals and claims many victims, especially during the winter season.

Various local names have been given to this disease, among which may be mentioned "lumbago," "spinal meningitis," and "black water." The two former terms have been applied owing to the hard and swollen condition of the muscles of the loins and croup and the loss of control of the hind parts commonly observed in these cases, and the latter name is descriptive of the urine, which is usually of a dark coffee color.

While azoturia may occur at any season of the year it is but seldom observed during the warm weather of summer. It usually appears in highly fed, well-nourished animals which, though accustomed to regular work, have remained idle for one or more days without a corresponding reduction in the rations.

As a rule the animal is attacked suddenly soon after leaving the stable in apparently perfect condition. The attack may occur after five or ten minutes' driving or, in some cases, several hours after the horse has left the stable.

Among the first symptoms are a staggering in the hind parts, knuckling at the pastern, and profuse perspiration. In spite of such spasms in muscles of the hind parts the horse attempts to go on until he falls helplessly. Usually there are efforts to rise, but as a rule the animal is unable to stand even should he regain his feet, and it becomes necessary to remove him on a wagon, sled or drag.

The animal husbandry department of the Utah Agricultural College recommends the following treatment for this disease: Horses attacked with azoturia should be immediately freed from the wagon and harness and be provided with ample straw or other bedding to protect them from injury incidental to the struggle to regain their feet. Especial care must be taken to prevent heating of the head upon the ground, if the patient is very restless a strong man should place his knees upon the animal's neck and hold the head firmly to the ground. Throw a warm blanket over the prostrate horse and arrange immediately for his removal to a stable, where a commodious and well-bedded box stall should be provided, or, if such is not available, the barn floor or a comfortable shed can be utilized.

In the mean time a qualified veterinarian should be summoned, azoturia being a disease which requires skillful treatment and careful nursing. Until the horse is able to stand it will be necessary to pass a catheter and draw the urine at least twice a day, and also, as an item of nursing, to turn the animal from side to side at frequent intervals, in order to avoid development of bed sores. Both treatment and nursing are best carried out under the direction of a skilled veterinarian who is equipped with instruments and can apply treatment as indicated in each individual case.

Various theories have been advanced in explanation of the true cause and nature of azoturia. A majority of investigators, however, are inclined to the belief that it is an auto-intoxication. The fact that development of the disease is favored by rich feeding and a period of idleness tends to lend weight to such hypothesis. For practical purposes, however, it is sufficient for the owner of good horses to know that the disease may be prevented with the greatest certainty by reducing the rations of grain or alfalfa hay when the horses are not working and by exercising his horses daily.

Irrigation Project Changes Directors

Smoot, Loose and Nunn Interests Acquire Large Interests in Utah Lake Irrigation Company.

This week some important changes were made in the personal of the board of directors of the Utah Lake Irrigation company. Messrs Jesse Knight, O. C. Beebe and J. W. Fitzgerald, retired and their places were

taken by Col. C. E. Loose, W. Biersch and Attorney Waldo. Mr. Loose represents himself and Senator Reed Smoot, while Messrs Biersch and Waldo represent Mr. L. L. Nunn, the electric power magnate.

Messrs Smoot, Loose and Nunn recently purchased a large block of the company's treasurer stock, in consideration of which they were given a representation on the board. The ad-

ditional funds will now enable the company to proceed with the construction of the new additions to its pumping plant near Saratoga. The foundations are in for the building, which will house three more twenty second foot pumps, and the building will now go on to completion. A lot of money will also be expended in the spring widening the canal and making other improvements.

Great Is Cedar Valley

List of Farmers, Their Residences and the Detailed Yields, Dry Farm and Irrigated Grains.

So many people living in this end of the county are interested in the land in Cedar Valley that we have been asked to give a complete detail.

Name	Resident	Product	Bu's
J. R. Hindley, American Fork	Wheat	730
J. E. Hindley, American Fork	Wheat	1107
Fawn Davis Lehi	Wheat	3009
Lon Rhodes Lehi	Wheat	203
A. Johnson, Pleasant Grove	Wheat	690
Pete Adamson, American Fork	Wheat	895
Devey and sons, Lehi	Wheat	313
Devey and sons, Lehi	Barley	195
Dr. Holbrook, Lehi	Barley	4113
Brig Mulliner, Lehi	Barley	912
Arthur Hawkins, Cedar Valley	Wheat	1269
Arthur Hawkins, Cedar Valley	Barley	159
Earl Smith, Lehi	Wheat	173
Ed Southwick, Lehi	Wheat	14
Ed Southwick, Lehi	Barley	123
Hyrum Smith, Lehi	Wheat	927
Bone Brothers, Lehi	Wheat	1432
John Devey, Lehi	Rye	159
John Devey, Lehi	Barley	124
James Bushman, Lehi	Wheat	185
Ralph Smith, Cedar Fort	Wheat	194
J. S. Willis, Lehi	Wheat	240
A. C. Christensen, Lehi	Wheat	25
A. B. Christensen, Lehi	Rye	200
Freeburn Brothers, Salt Lake City	Wheat	243
Freeburn Brothers, Salt Lake City	Barley	630
H. P. Christensen, Salt Lake City	Rye	142
Stewart Company, Salem	Wheat	318
David Prior, Spanish Fork	Rye	1625
Porter, Salt Lake City	Wheat	1147
Fletcher, Salt Lake City	Wheat	710
Hemphill, Salt Lake City	Wheat	248
James Clark, American Fork	Wheat	3750
Louis Engels, Salt Lake City	Rye	505
E. Carson, Fairfield	Rye	55
E. Carson, Fairfield	Barley	106
R. Daw, Fairfield	Rye	352
Strock and Thomas, Salt Lake City	Wheat	1200
H. J. Mafr, Fairfield	Wheat	669
L. B. Sabine, Fairfield	Rye	1690
Riska and Vesley, State Well or Fairfield	Wheat	2700
Barney, Cedar Valley, South End	Wheat	1700
J. Gullion, Fairfield	Wheat	250
W. C. and D. L. Thomas, Fairfield	Wheat	3420
Mrs. C. Holdaway, Fairfield	Wheat	150
Total		39301

Irrigated Grain

Cedar Fort	15000
Fairfield	8000

First Contribution Comes From Lehi

The second meeting of the Utah County Chapter of the Red Cross Society was held last Monday evening in the Commercial club rooms. A spirit of interest in the collection of money, clothing, and other supplies for the victims of the European War, characterized the meeting, and this was increased by the announcement of Mayor W. F. Gurney, of Lehi, that he had brought with him \$51, contributed to the fund by the High School students of the Sugar City. This is the first contribution reported, and the fact that it was made before any systematic soliciting has been done, was considered an evidence that the people were not only willing but anxious to assist those who have been bereft of their natural supporters and former means of subsistence through the operations of the war.

After some discussion on the ways and means of making collections for the Red Cross fund, it was decided that in districts outside of Provo, lo-

cal executive committees, of which the mayor of president of the town board of each district is the chairman, shall conduct its campaign of soliciting or otherwise collecting funds and clothing in such way as the committee may deem most convenient and best adapted to the locality. In the event that non-parishable farm products are contributed the chairman of the local committee will report to the treasurer of the Chapter, Mr. Henry Nuttall of Provo, and arrangements will be made for transportation. Reports of all funds and other articles contributed are also reported to be made to the Chapter on or before December 10. Mayor Earl S. Greenwood, Mayor J. L. Harvey and Mayor W. F. Gurney, from American Fork, Pleasant Grove and Lehi were in attendance, and will organize branches in their several towns.

The next meeting of the Chapter will be held Monday evening, December 14th, in the Commercial club rooms, when it is expected reports will be in from all parts of the county.

We Print Butter Wrappers.



Good Returns On My Investment

Madison, Wis., Jan. 1, 1913.
 This is to certify that I have been a great sufferer from rheumatism since 1894. Contracted the disease while working with a snow plow on the railroad. For several years I have been obliged to use crutches a great part of the time. Having used three boxes of the



Rheumatism Powders

I have thrown away the crutches and am now almost fully recovered. It certainly has done wonders for me and I heartily recommend it.

Prices 50c For Sale by

F. M. Brown, Druggist.

Exclusive Meritol Agency

Opening of Our Toy Dep't.

Santa Claus Comes to the Golden Rule first, and of course leaves the choicest toys.

Bring the children and let them see the wonderland of toys. Lots and lots of them, all fresh and new, direct from his magic workshop.

Our stock of Christmas Gifts in every line is unusually large, you will find everything so clean and arranged so neat, prices so low your eye will not only be pleased but your purse as well.

By paying a small deposit we'll put them away for you.

---Do Your Christmas Shopping Early---

CARS STOP
at the
**GOLDEN
RULE
STORE**

The Golden Rule
J.C. Penney Co. Inc.
TO BUSY STORES
 AMERICAN FORK, UTAH.

CARS STOP
at the
**GOLDEN
RULE
STORE**

KEEP YOUR FEET WARM

The feet contain more capillaries than any other part of the body. Capillaries are blood vessels of the smallest size. They connect the arteries with the veins and are present everywhere in the body. All of the blood, after leaving the arteries, must pass through the capillaries before getting back to the heart.

The Meaning of Cold Feet

The capillaries are so constructed that when a part of the body becomes chilled, the capillaries in that part become much smaller, and the blood passes through them much more slowly. The feet contain so many capillaries, which lie close to the surface, that when the feet become chilled, not only is a large amount of blood robbed of its heat, but the slowing of the blood stream interferes with the proper circulation of the blood, which is necessary to health, and causes a congestion of the internal organs that favors disease. Thus cold feet, aside from being uncomfortable, are a menace to health.

Proper Foot Wear

Proper foot wear is the first essential to warm feet. Low shoes and silk stockings are all right for summer, but high shoes and stockings are necessary for winter. Women who in winter wear the more than low shoes, and stocking upon the lower body and on the upper fur coat, are heating their feet equally and inviting danger from cold weather every time they wear moderately heavy stockings and high shoes. If the difference, the feet need protection than the upper body.

Wool Is Fashionable

Woolen socks or stockings cause cold feet. They keep the feet and retain the heat indoors. Then on the cold, the stockings come cold and clammy feet. The feet should be kept dry in wet weather. Nothing so rapidly as damp foot. Those who habitually keep their feet should, in addition to the feet properly, bath daily in water and follow with a dry towel, rubbing with a dry towel. This should be followed with a few minutes of leg exercise—raising the body on the toes and heels.—Health notes by Dr. R. R. Daniels.

ALPINE NEWS

Mr. and Mrs. J. Z. Little returned this week from an extended visit with their daughter, Mrs. O. E. Whitby, in Carey, Idaho. They were gone about five months, and are glad to be home again. Mr. Little, who is a contractor and builder of wide experience, was greatly impressed with the amount of building going on in Carey, which lies in one of the most beautiful valleys and has a promising future.

NOTICE OF SALE

Notice is hereby given that the Consolidated Wagon and Machine company, a corporation of Utah, that under the terms and conditions of a certain chattel mortgage given by

WANT ADS

LOST—Leather Coat between American Fork and Pleasant Grove, leave at Chipman's Produce Department. Reward. 28-21-pd

FOR SALE—20 Buff Orpington pullets, also a few nice cockrels. Prices reasonable. Enquire of Ben Moffet, American Fork. 28-4f

FOR SALE—My home in Lehi, also 120 acres of Cedar Valley dry farm land. Charles Ohman, Lehi. 28-4f

Comforters tied, 50c, quilting, 50c. Mrs. E. A. Kershaw. 21-2t

Room and board for two ladies, close in. Apply at this office. 21-4f

FOR SERVICE—Pure bred Jersey bull; also fine registered Berkshire. J. L. Harvey. 21-4f

Alfalfa Pasture for horses, \$1.50 per month. See K. H. Osterloh. 21-3t-pd

RENT—5 room brick house on Third West Street. Enquire of Mrs. Wagstaff. 21-2t

Experienced farmer would like to manage or lease a stocked farm, can give good reference. Address, P. O. Box 445, Tooele, Utah. 14-2t

WINTER PASTURAGE—\$1.50 per month. Enquire of John Hiel, 449 Lehi. 21-4f

SALE—6 by 10 rods corner lot, close in, cement walks. H. C. Johnson, American Fork. 24-2t

EAGLES ARWANA (Blue Ribbon Winner) famous registered bull at S. D. man's barns. Service \$1.50. All splendid onions and potatoes for sale at market price. 7-4t

We Print Butter Wrappers. 1f

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Orem Express, cheaper than Parcels Post, operates on all trains.

SOUTHBOUND—DAILY

	1	3	5	7	9	11	13	15
Leave Salt Lake City	6:45	8:00	10:30	1:30	4:00	6:30	9:00	11:45
Leave Lehi	7:45	9:03	11:34	2:33	5:04	7:34	10:04	12:50
Leave Am. Fork	7:56	9:13	11:43	2:43	5:13	7:43	10:13	12:58
Leave Pleasant Grove	8:02	9:21	11:50	2:50	5:21	7:50	10:21	1:06
Arrive Provo	8:30	9:50	12:20	3:20	5:50	8:20	10:50	1:35

NORTHBOUND—DAILY

	2	4	6	8	10	12	14	16
Leave Provo	6:45	8:09	10:30	1:30	4:00	6:29	9:00	11:05
Leave Pleasant Grove	7:13	8:28	10:58	1:58	4:28	6:58	9:28	11:31
Leave Am. Fork	7:24	8:38	11:08	2:08	4:38	7:08	9:38	11:40
Leave Lehi	7:33	8:47	11:17	2:17	4:47	7:17	9:47	11:46
Arrive Salt Lake City	8:55	9:50	12:20	3:20	5:50	8:20	10:50	12:50

A. M. Time in light face; P. M. Time in black face.

RIDE AND SHIP VIA OREM LINE, NO SMOKE, NO CINDERS, NO DELAYS.